

Name: _____

at110paper_practice_test (v5)

1. Solve the equation with factoring by grouping.

$$18x^2 + 24x - 15x - 20 = 0$$

2. Expand the following expression into standard form.

$$(3x + 5)^2$$

3. Expand the following expression into standard form.

$$(5x + 9)(5x - 9)$$

4. Expand the following expression into standard form.

$$(8x + 9)(4x - 7)$$

5. Factor the expression.

$$x^2 + 13x + 40$$

6. Solve the equation.

$$(9x + 2)(3x + 7) = 0$$

7. Factor the expression.

$$36x^2 - 49$$

8. Solve the equation.

$$9x^2 - 63x + 36 = 2x^2 - 3x + 4$$